

Title (en)

Passive cooling system for nuclear reactor containment structure.

Title (de)

Passives Kühlsystem für Kernreaktorschutzhüllen.

Title (fr)

Système de refroidissement passif pour confinement d'un réacteur nucléaire.

Publication

EP 0342381 A2 19891123 (EN)

Application

EP 89107200 A 19890421

Priority

US 19658188 A 19880520

Abstract (en)

A passive cooling system for the contaminant structure (20) of a nuclear reactor plant providing protection against overpressure within the containment attributable to inadvertent leakage or rupture of the system components. The cooling system utilizes natural convection for transferring heat imbalances and enables the discharge of irradiation free thermal energy to the atmosphere for heat disposal from the system.

IPC 1-7

G21C 9/00; **G21C 13/10**; **G21C 15/18**

IPC 8 full level

G21C 9/004 (2006.01); **G21C 13/00** (2006.01); **G21C 13/10** (2006.01)

CPC (source: EP KR US)

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